

08 674 311

REPLACEMENT SHEET

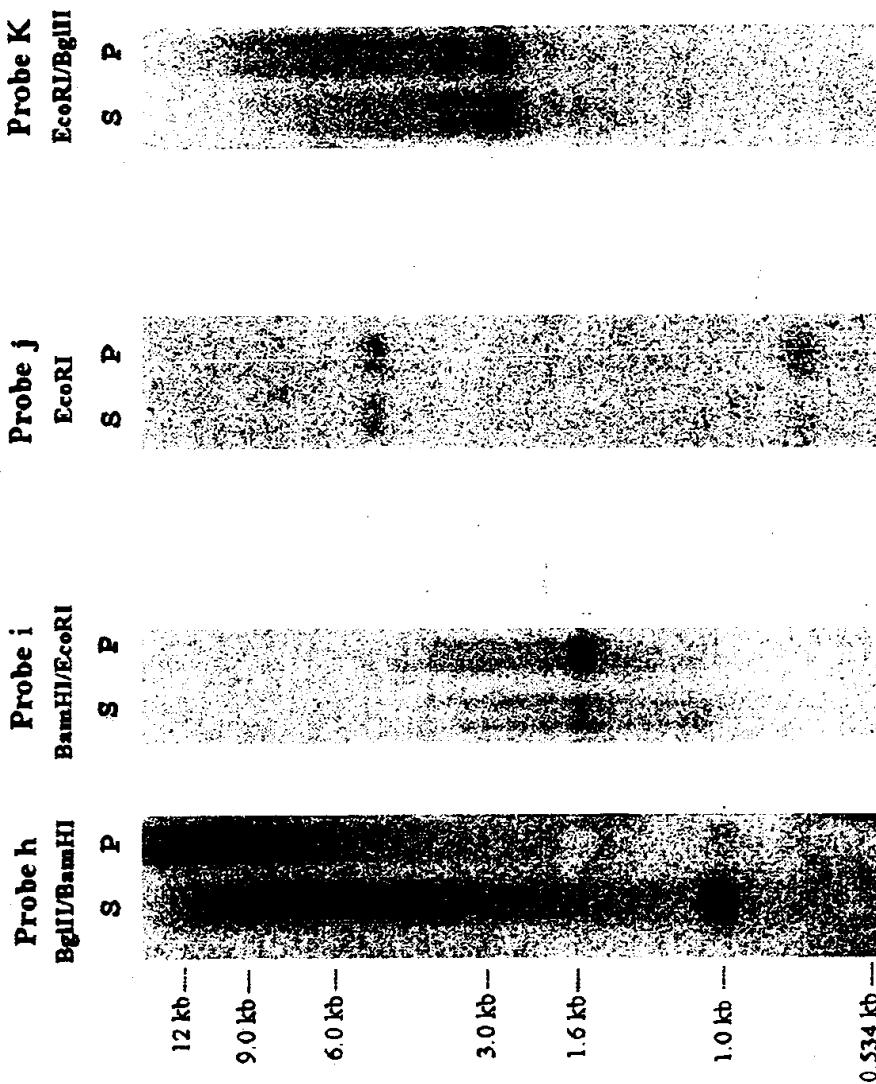


FIG. 19B

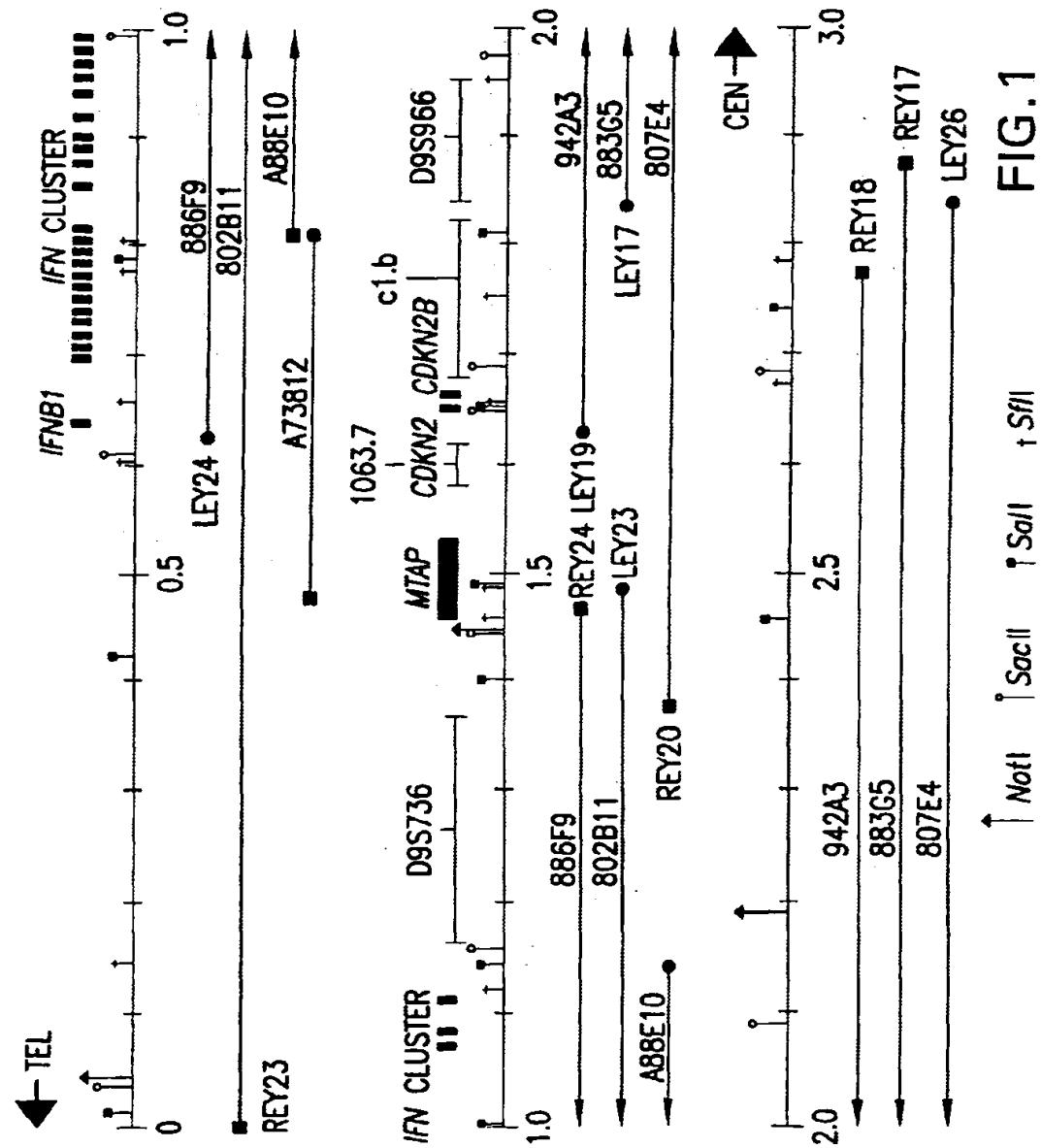


FIG. 1

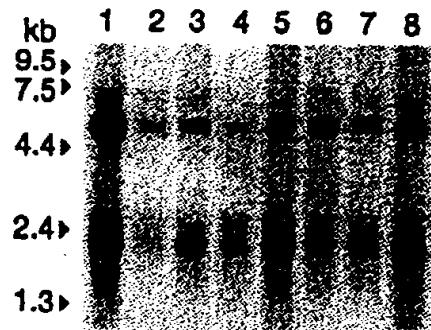


FIG. 2A

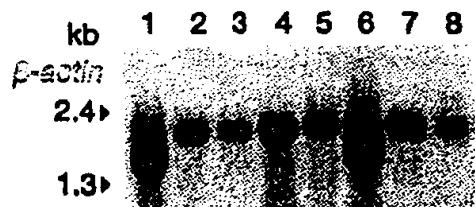


FIG. 2B



1 gaattccgct ccgcactgct cactcccgcg cagtgggtt ggcacagcca ccgcctctgtg
61 gtcgcgttgg ttcccttagt cccgagcgct cgcggactgc agattccctt cccgtgcaga
121 catggccctct ggcaccacca ccaccggcgta gaagatttga ataattgtgt gaacaggct
181 ggatgatcca gaaattttag aaggaagaac tggaaaatat gtggataactc catttggca
241 gccatctgtat gccttaattt tggggaaatg aaaaaatgtt gattgcattc tccttgcaga
301 gcatggaagg cagcacacca tcatgccttc aaaggtcaaa taccaggcga acatctgggc
361 ttgaaaggaa gagggtgtat cactgtcat agtgaccaca gattgtggct ccttgggg
421 ggagattcag cccggcgata ttgtcattat tgatcagttc attgacagga ccactatgag
481 acctcgttcc ttctatgtat gaagtcattc ttgtggcaga ggagtgtgcc atattccat
541 ggatgagccg ttttgcggca aaacgagaga gtttcttata gagactgta agaagctagg
601 actccgggtgc cactcaaagg ggacaatggt cacaatcgag ggacctcggtt ttagctccag
661 ggcagaaaagc ttcatgttcc gcacccgggg ggcggatgtt atcaacatga ccacagtcc
721 agaggtggtt ctgtcttaagg aggctggat ttgttacgca agtacgcctt tggcgacaga
781 ttatgactgc tggaaaggagc acgaggaagc agtttgcgtg gaccgggtct taaagaccct
841 gaaagaaaac gctaataaaag caaaaagctt actgctcaact accataccctc agatagggtc
901 cacagaatgg tcagaaaccc tccataacctt gaagaatatg gcccagtttt ctgtttatt
961 accaagacat taaaatgtca tggctggccca ggagaaaaaaa agacattcta attccagtca
1021 ttttggaaat tcctgtttaa cttggaaaaaa atatggaaa gacatgcgc tttcatgccc
1081 ttgcctatca aagagtatgt tgtaagaaaag acaagacattt gtgtgttata gagactcctg
1141 aatgatttag acaacttcaa aatacagaag aaaagcaaat gacttagtaaa catgtggaa
1201 aaaatattac attttaaggg ggaaaaaaaaaa aaccccccacca ttcttcttc cccctattaa
1261 atttgcacca ataaagggtt gagggtatc tctactttcc tataactgcca aagaatgtga
1321 ggaagaaaatg ggactctttt gtttatttattt gatgcactg taaattggta cagtatttct
1381 ggagggcaat ttggtaaaat gcatcaaaaag actttaaaaat acggacgtcc ttgggtgtcg
1441 gggaaatctac atatagcaat ttcttttaa aaccatatca gagatgcata caaagaattt
1501 tatataaaaga agggtgttta ataaatgtat ttataataat aaataattga aacaatctga
1561 atcccttgca attggaggtt aattatgtct tagttataat ctagattgtg aatcagccaa
1621 ctgaaaaatcc ttttgcata tttcaatgtc cttttttttttt aacccatatca acgggtgtc tatatatgaa
1681 gtgaaaaaaag gatatggtag cattttatag tactgtttt gctttttttt gctatgtaaa
1741 tataaaaaaa aactagaaaag aaatataat aacccgttta ttgttattttgg gggagggtata
1801 ctgggataat ttttatttttcc ttgtatctt tctgtgtctt cacattttc tacagtgaat
1861 ataatcaaata agtaaaggc cgtaaaaataa aaagtggatt tagaaagatc cagtttttgc
1921 aaacactgtt tctggtaatg aagcagaatt taagtggta atattaaggt gaatgtcatt
1981 taagggagtt acatctttat tctgtctaaag aagaggatca ttgatcttgc tacagtgcaga
2041 acagtacttg ggtgtgcac agcttctgtt gaaaaagctt tagtataataa gtttactgt
2101 aagttaactt atttaaaaga ctaaatgcac atttatgtt atctgtatattt tttttttttt
2161 atgtgagttt ctccttttttgc ttagtttttttgc ttagtttttttgc ttagtttttttgc
2221 ttaataaaatg ggaagcttgc ttttttttttgc ttagtttttttgc ttagtttttttgc ttagtttttttgc

FIG. 3A



1	MASGTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTDPFGK	40
41	PSDALILGKIKNVDCILLARHGRQHTIMPSKVNYQANIWA	80
81	LKEEGCTHVIVTTACGSLREEIOPGDIVIIDQFIDRTTMR	120
121	PQSFYDGSHSCARGVCHIPMAEPFCPKTREVLIETAKKLG	160
161	LRCHSKGTMVTIEGPRFSSRAESFMFRWGADVINMTTVP	200
201	EVVLAKEAGICYASIAMATDYDCWKEHEEAVSDRVLKTL	240
241	KENANKAKSLLLTTIPQIGSTEWSETLHNLKNAQFSVLL	280
281	PRH 283	

FIG.3B

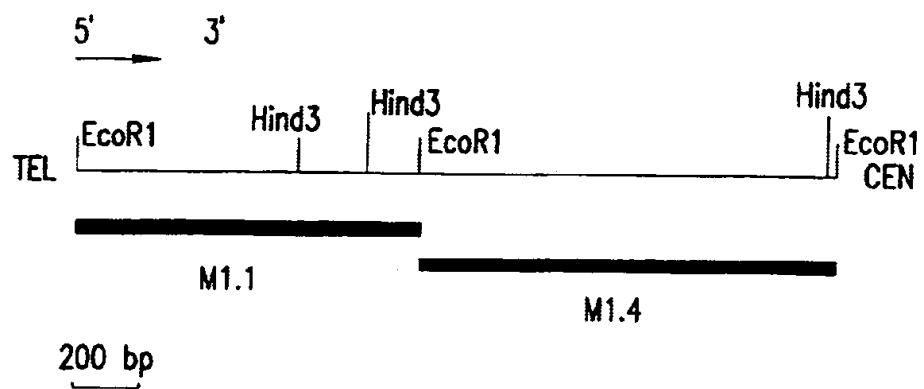


FIG.4

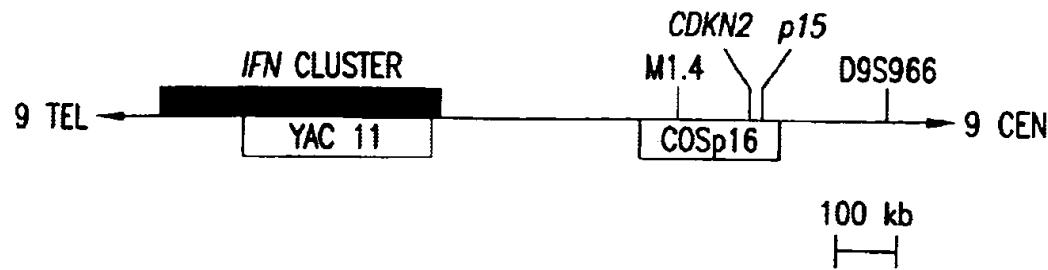


FIG.5



1 2 3 4 5 6



FIG. 6A

1 2 3 4 5 6

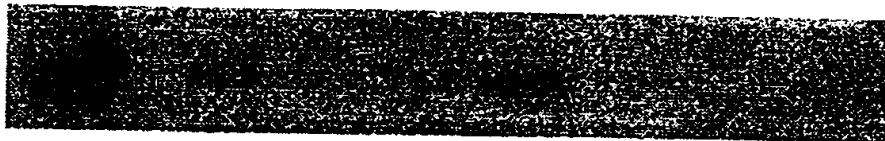


FIG. 6B

1 2 3 4 5 6



FIG. 6C

1 2 3 4 5 6

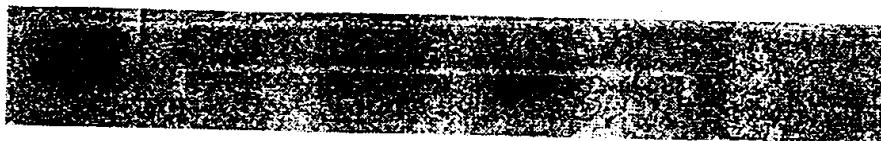


FIG. 6D



1 2 3 4 5 6



FIG. 6E

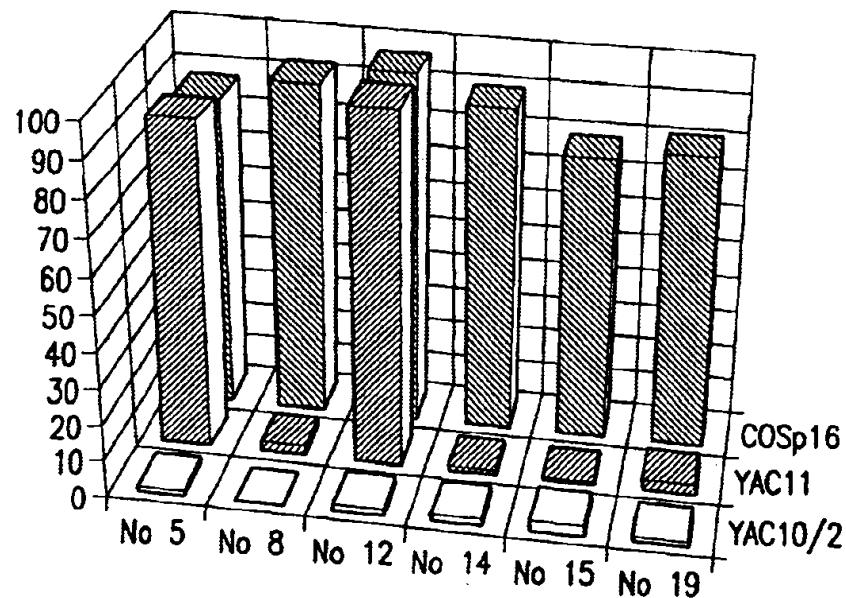


FIG.7A

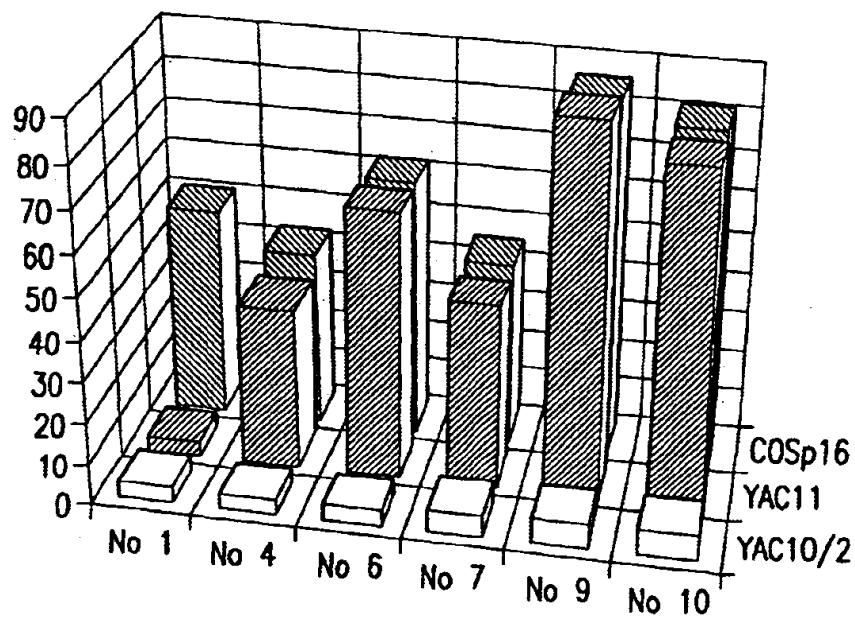


FIG.7B

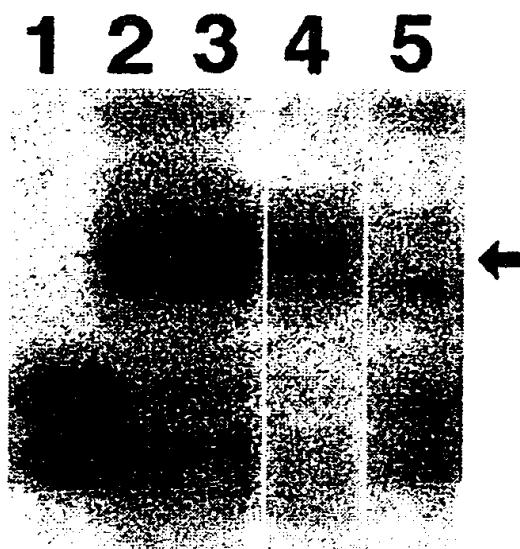


FIG. 8

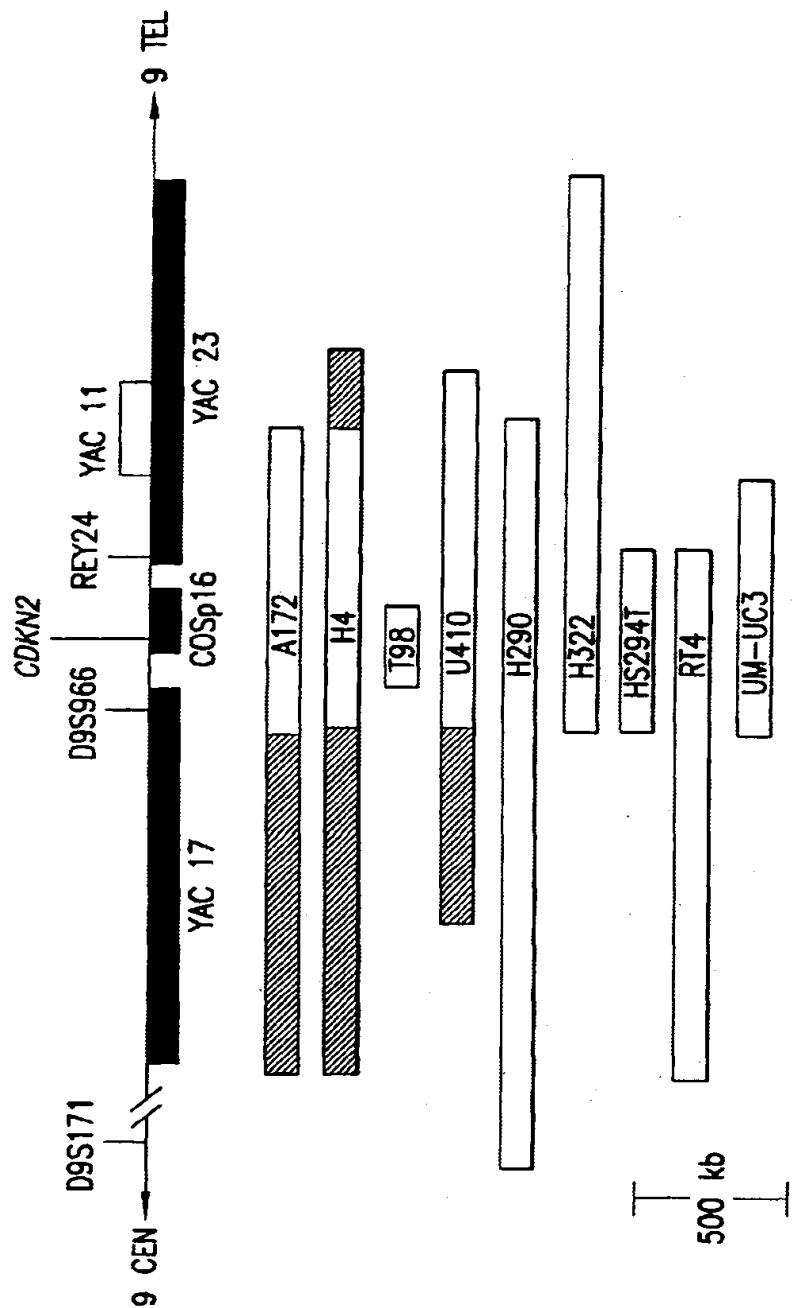
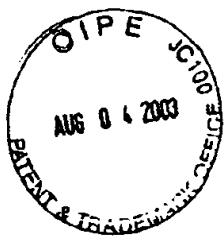


FIG. 9

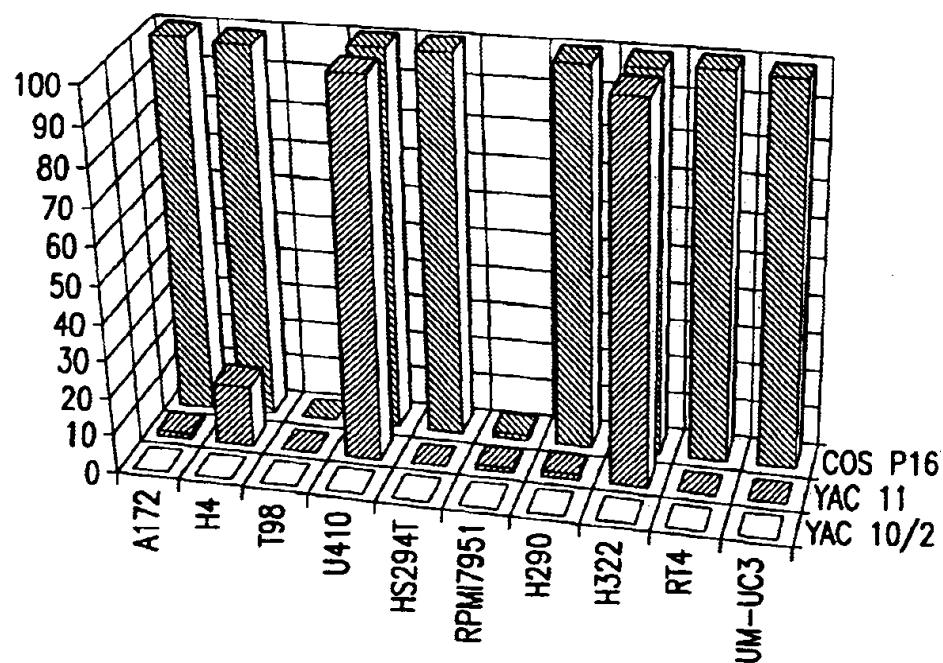


FIG. 10A

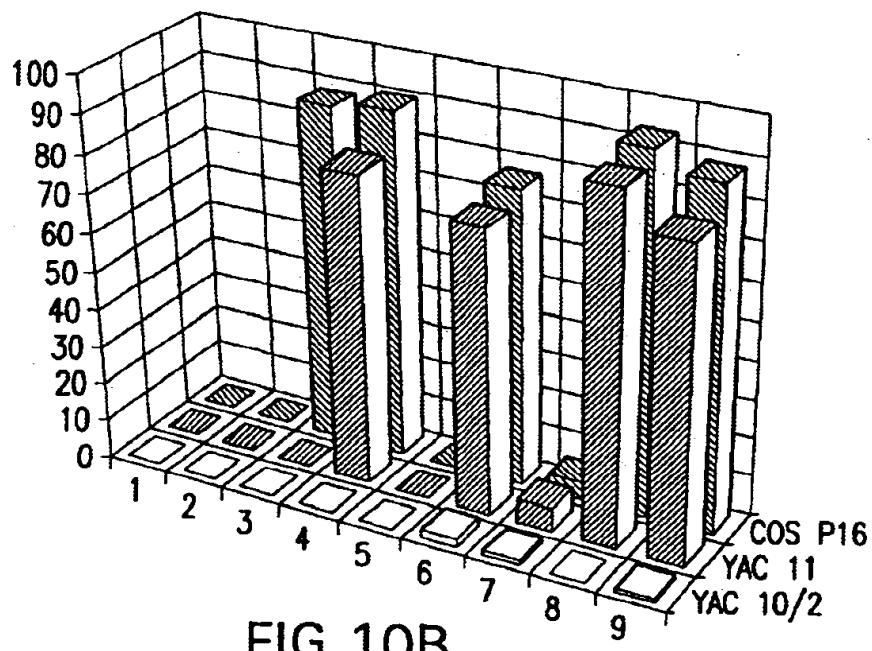


FIG. 10B



METHYLTIAZOLESINE PHOSPHORYLASE cDNA MAP

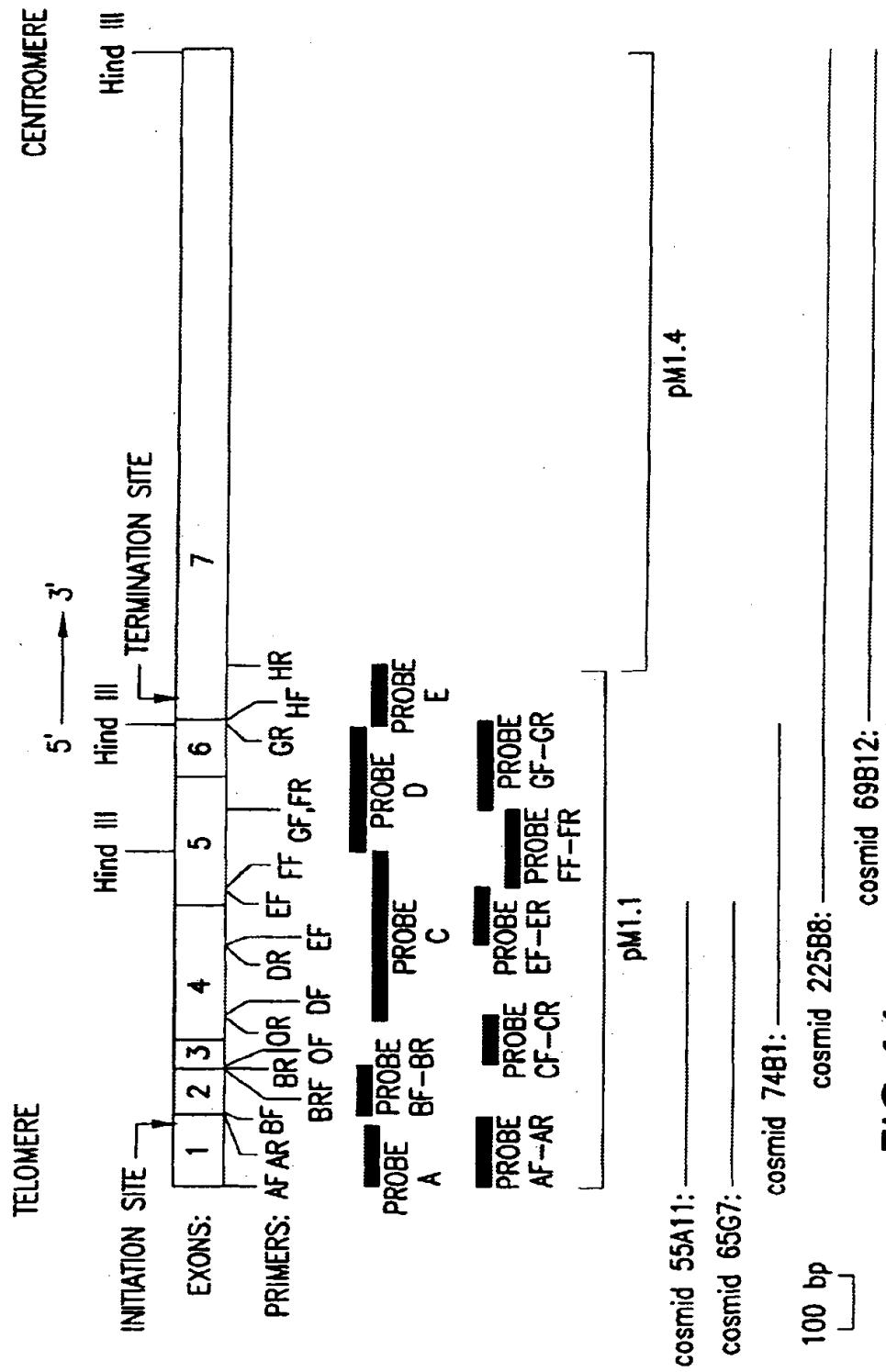


FIG. 11

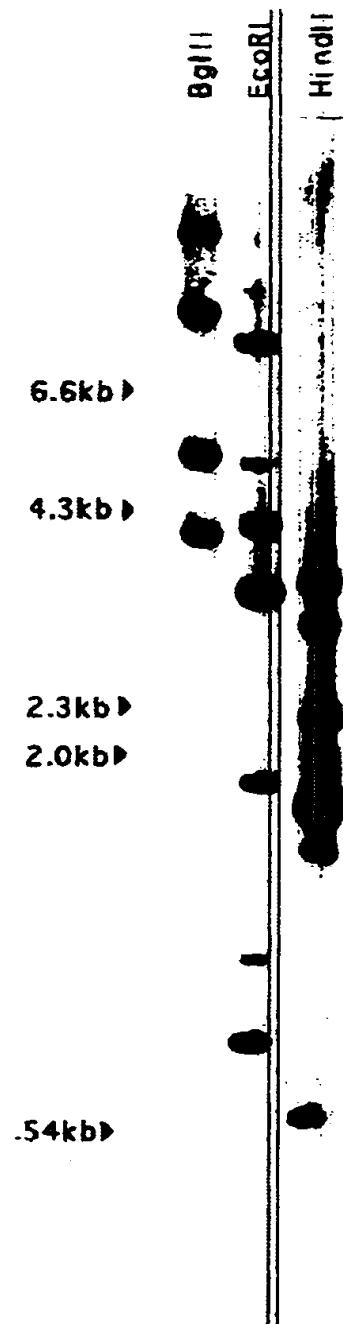


FIG. 12



FIG. 13

34kd> .

FIG. 14

O I P E
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SEARCHED
SERIALIZED
INDEXED
FILED

GENOMIC ORGANIZATION OF THE
METHYLTIOADENOSINE PHOSPHORYLASE GENE

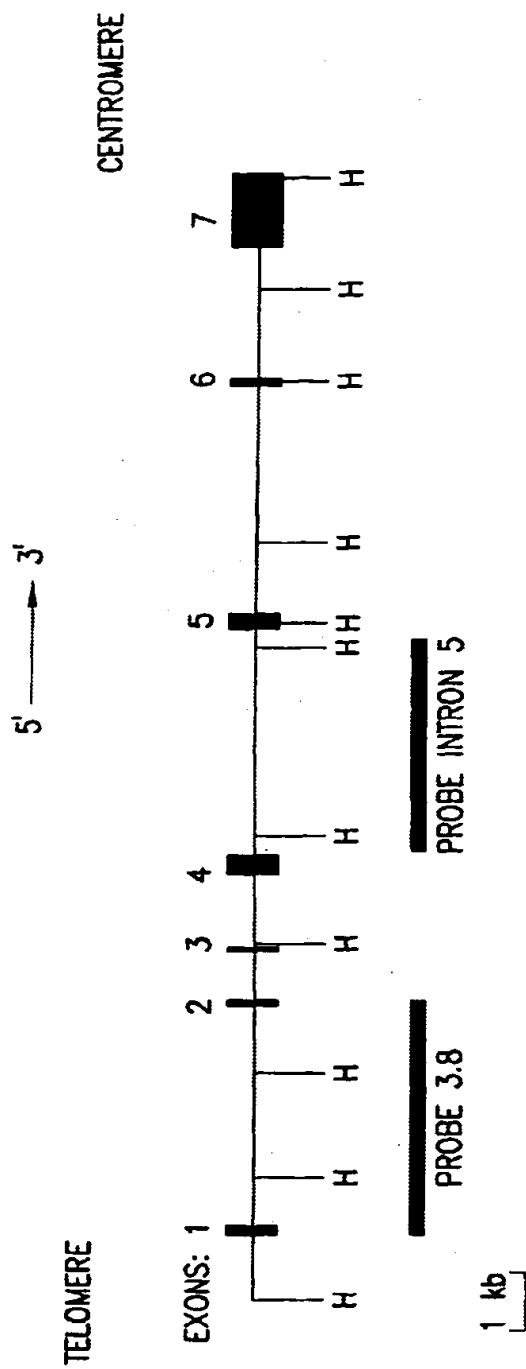


FIG. 15

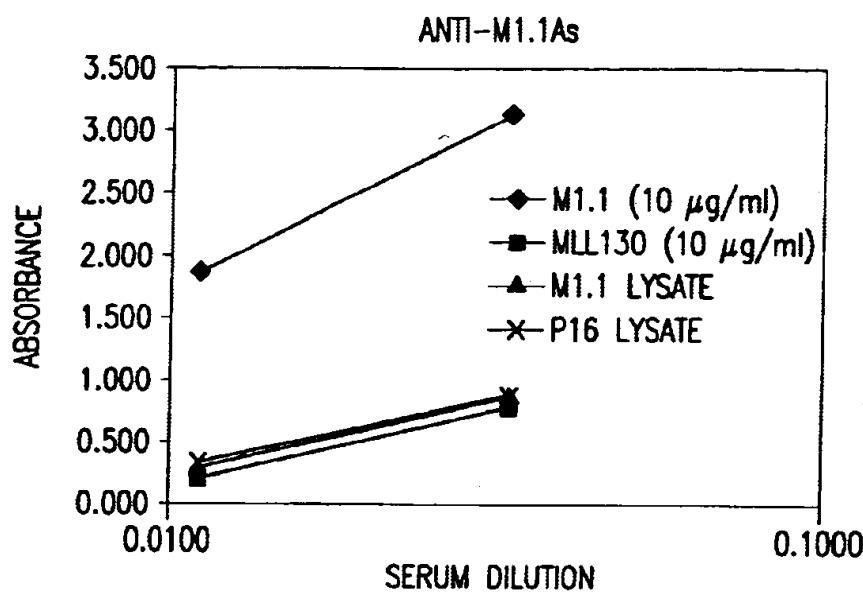
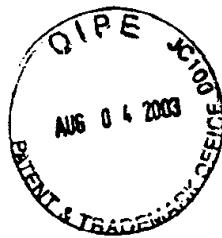


FIG. 16A

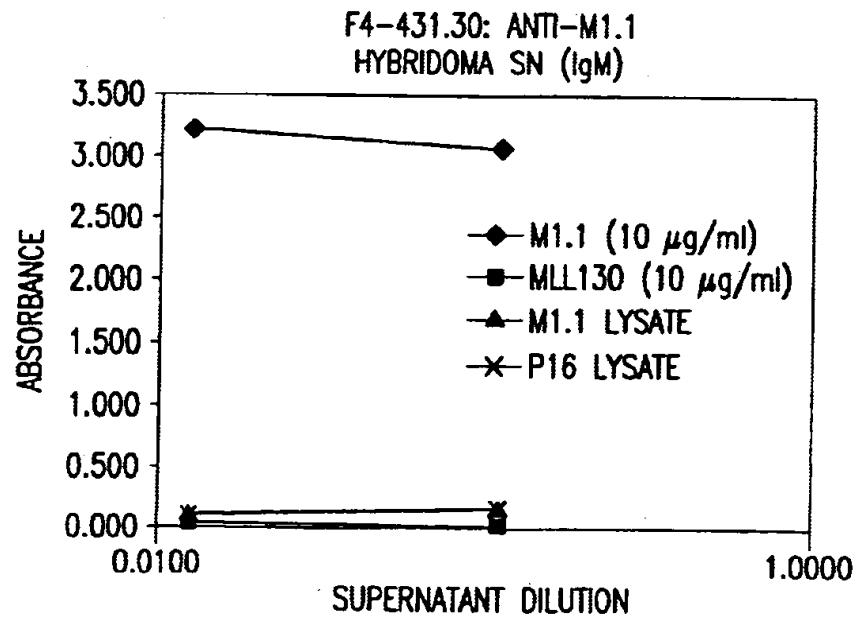


FIG. 16B

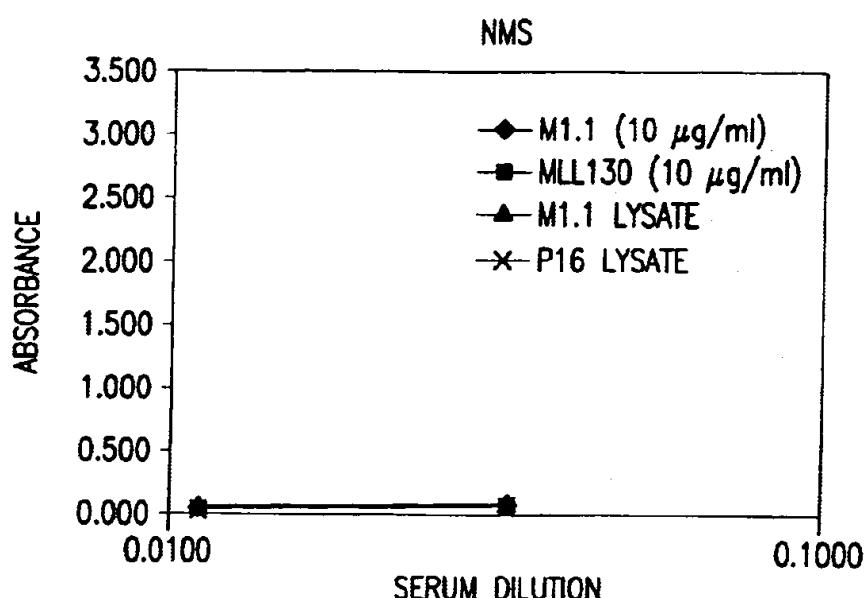
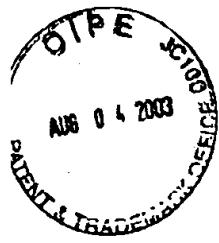


FIG. 16C

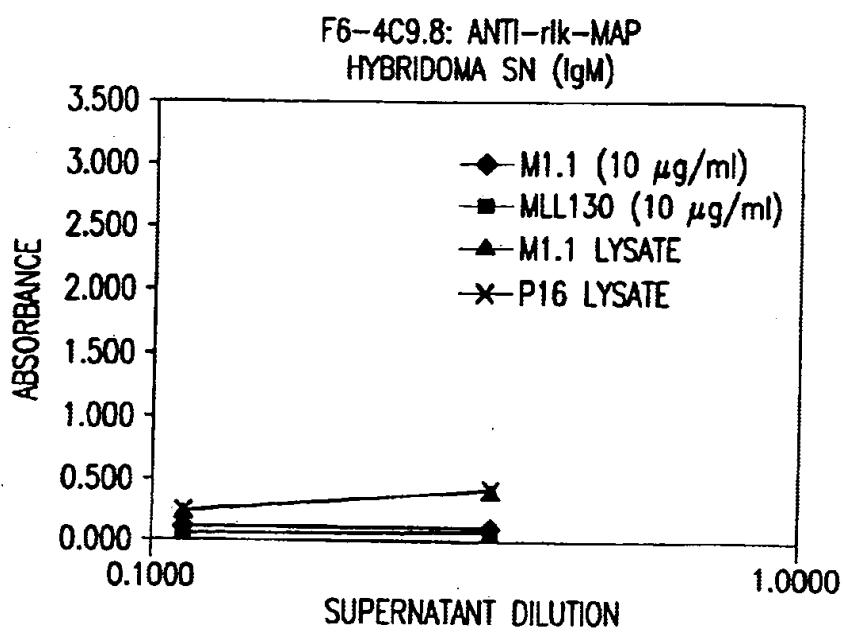


FIG. 16D



HindIII

M S P

23 kb ----

A8

9.4 kb ----

A13

6.6 kb ----

*A2**

9.4 kb ----

A1

6.6 kb ----

PA22

6.6 kb ----

A16

A14,5,6

4.3 kb ----

A17

4.3 kb ----

A7,10

2.0 kb ----

A21

2.0 kb ----

1.6 kb ----

A4

1.6 kb ----

EcoRI

S P

A14

A5

A13

A6

A21

*A2**

PA22

A4,16

A10,17

A8, A1

A7

FIG. 17A

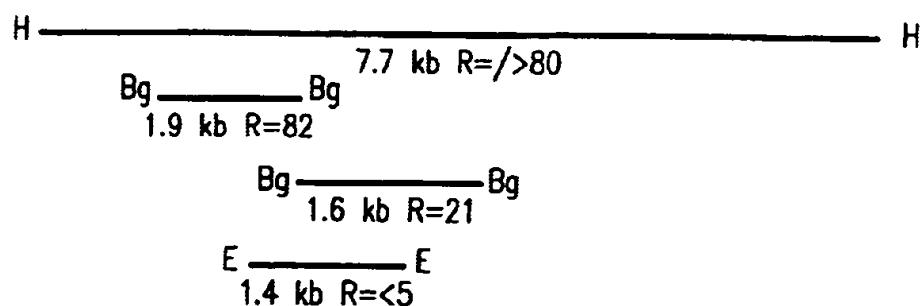
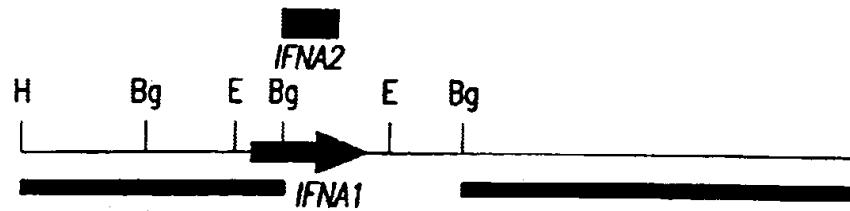


FIG. 17B

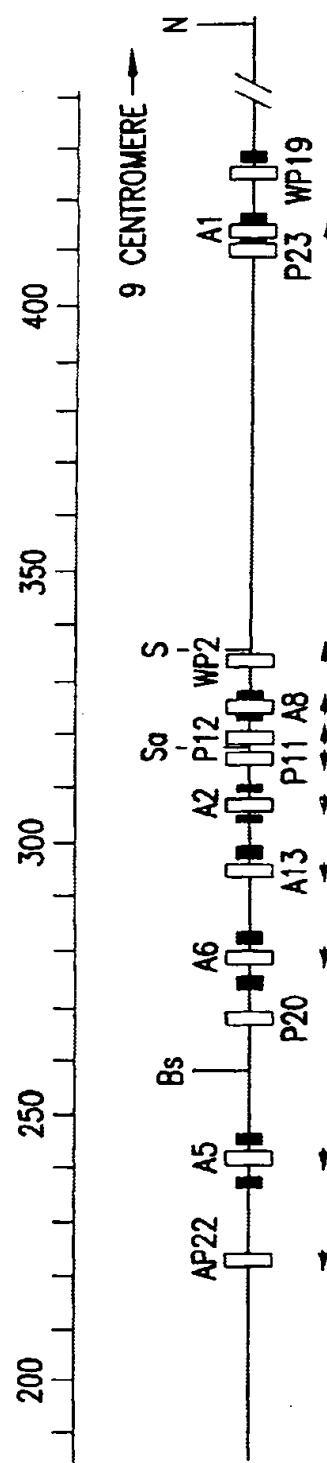
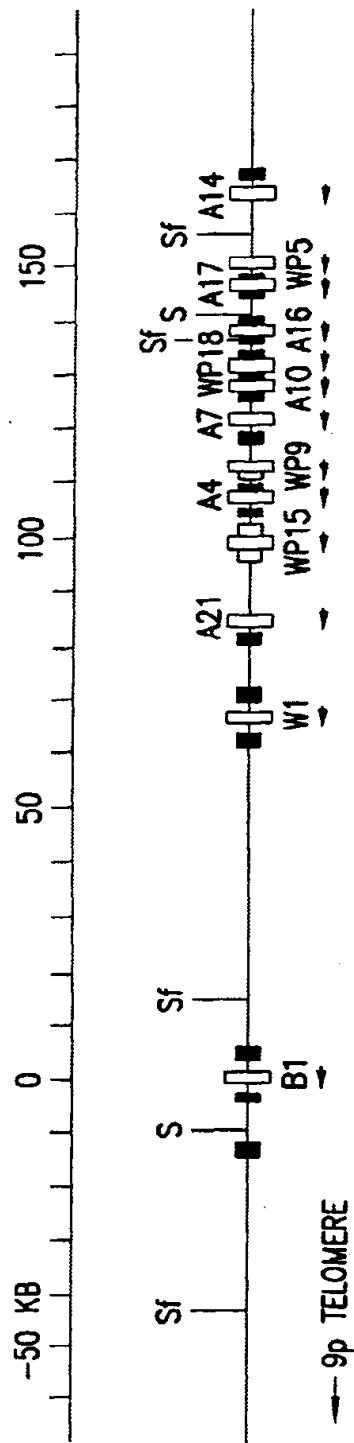


FIG. 18

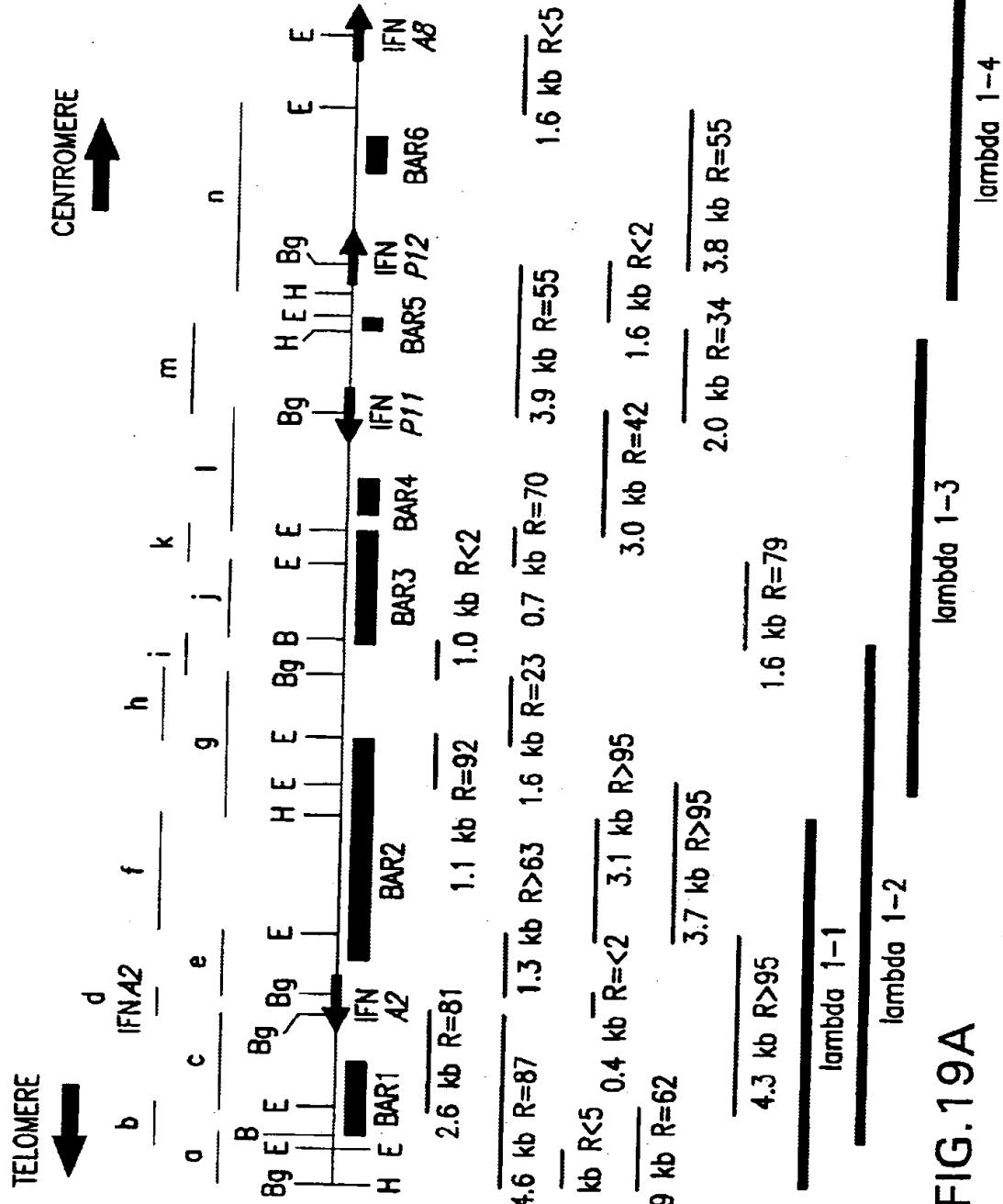


FIG. 19A



REPLACEMENT SHEET

Probe K
EcoRI/BglII



Probe J
EcoRI



Probe i
BamHI/EcoRI



Probe h
BglII/BamHI

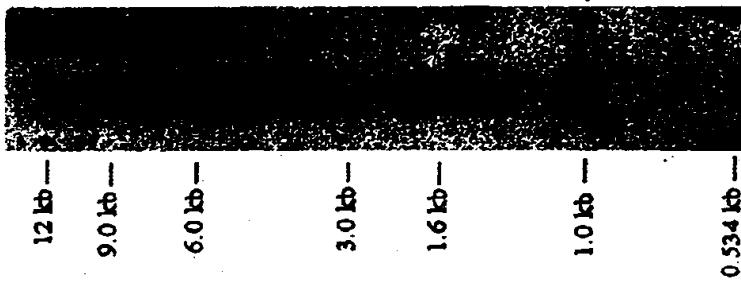


FIG. 19B

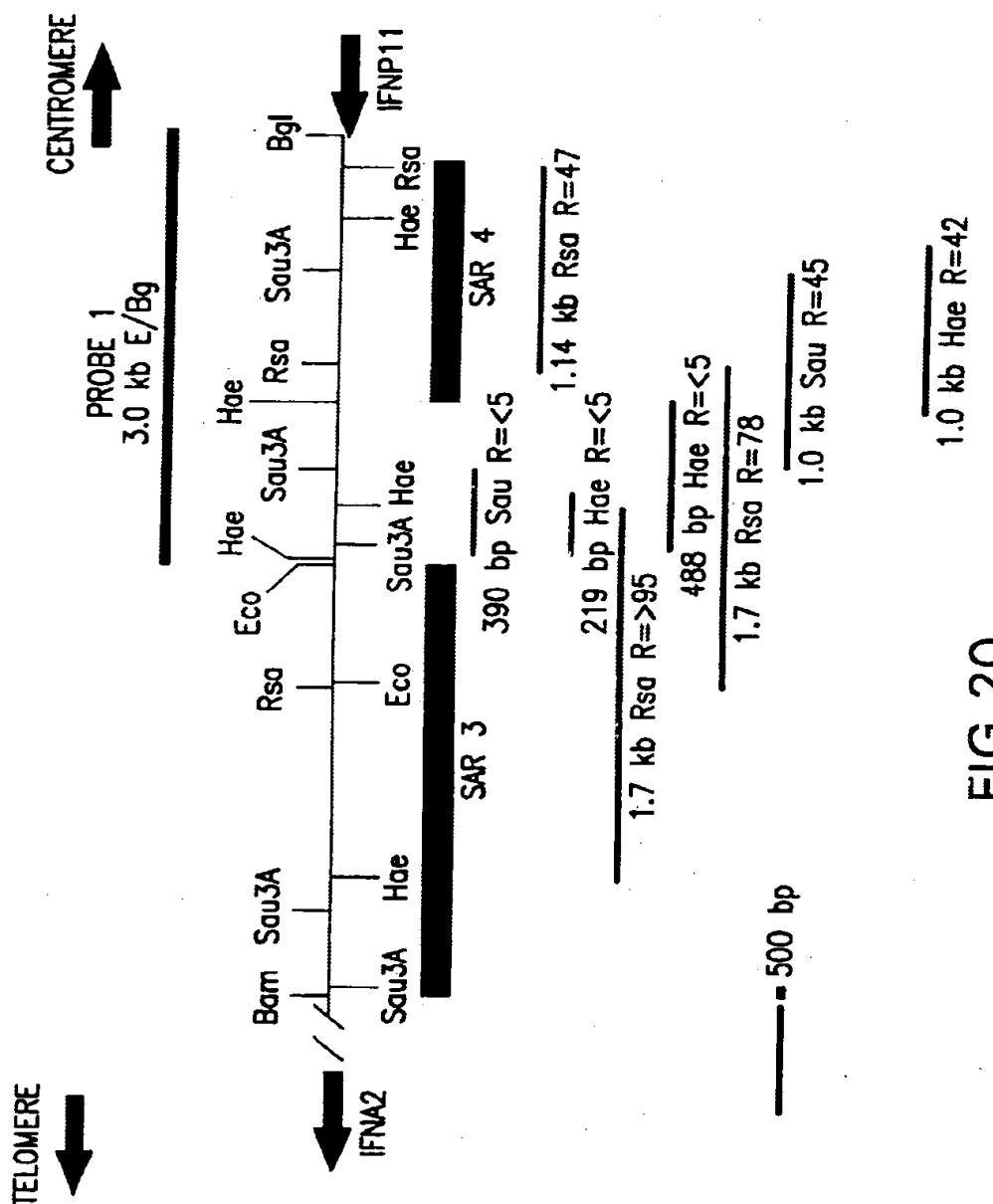
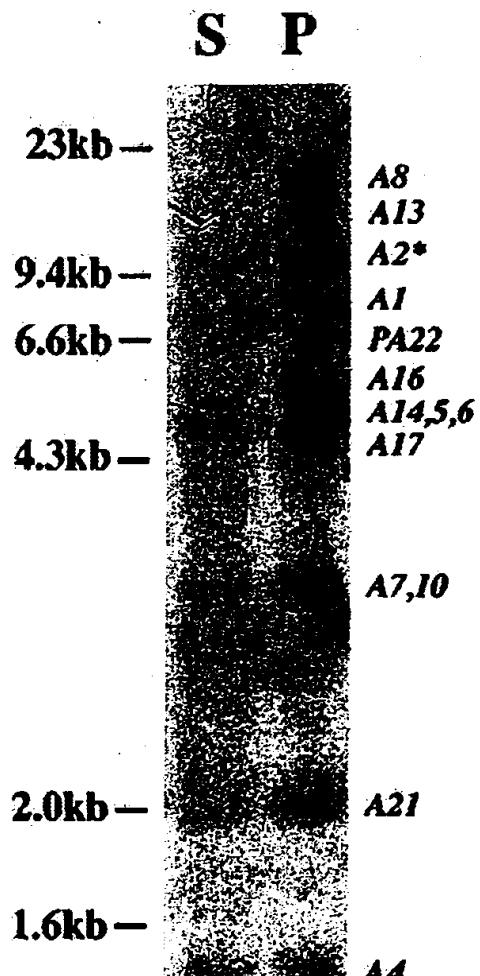


FIG. 20



M Hind III



EcoRI

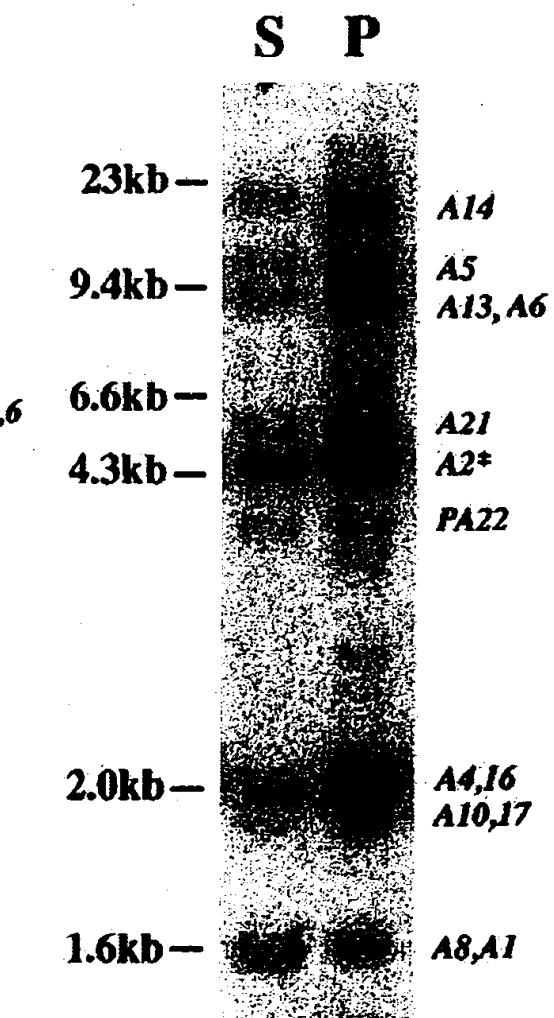


FIG. 21